Appln No. 09/832,319
Amdt date September 14, 2005
Reply to Office action of June 17, 2005

<u>REMARKS/ARGUMENTS</u>

Claims 1-4, 7-9, 12-14, 18-19, 24-26, 29-31, 35-38, 41-43, 46-49, and 52-55 will be pending in this application upon entry of the above amendments. Claims 1, 7, 18, 24, 35, 41, and 49 have been amended. Claims 5-6, 10-11, 15-17, 20-23, 27-28, 32-34, 39-40, 44-45, and 50-51 have been canceled. Claims 52-55 have been added. The amendments find full support of the original specification, claims, and drawings. No new matter has been added. In view of the above amendments and remarks, reconsideration, reexamination, and an early indication of allowance of the now pending claims 1-4, 7-9, 12-14, 18-19, 24-26, 29-31, 35-38, 41-43, 46-49, and 52-55 are respectfully requested.

Claims 1-11, 13-28, 30-45, 47-48, and 50-51 are rejected under 35 U.S.C. 102(e) as being anticipated by Cascio et al. (U.S. Patent Application Publication No. 2002/0091818). Claims 12, 29, and 46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cascio in view of Walsh et al. (U.S. Patent No. 6,810,429). Claim 49 is rejected under 35 U.S.C. 103(a) as being unpatentable over Cascio in view of Chau et al. (U.S. Patent Application Publication No. 2003/0014397). Applicant respectfully traverses these rejections.

Claim 1, as amended, now recites "at least one personality document, the personality document defining a plurality of business operations and a behavior document associated with each business operation, each behavior document defining a plurality of actions for conducting the associated business operation." Claim 1 further recites:

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"generating, under control of the computer, a tree-based representation of the incoming document;

reading, under control of the computer, the personality document and testing the tree-based representation of the incoming document based on the personality document for recognizing the incoming document;

selecting a behavior document based on the recognized incoming document;

routing, under control of the computer, the incoming document to the selected behavior documert; and

under control of the computer, applying the plurality of actions defined in the selected behavior document to the incoming document and conducting the business operation associated with the selected behavior document."

These limitations are not taught nor suggested by Cascio. Cascio discloses that rules may be defined to specify the target patterns of the data to be extracted from an incoming data stream. (par. 0047). Tags in a markup language (such as XML) are defined, and associated with the defined rules. Upon detecting a match between the data in an incoming data stream and a target rule, an output document (expressed in the markup language) is created. Thus in Cascio's system, the incoming data stream is compared against stored rules to find a match. There is no "generating . . . a <u>tree-based representation</u> of the incoming document" and "testing the <u>tree-based representation</u> of the incoming document based on the personality document for recognizing the incoming document" as is recited in claim 1. (Emphasis added).

Cascio also fails to teach or suggest the recited "behavior" and "personality" documents. The Examiner contends that the document storing the plurality of data extraction rules

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corresponds to the recited "behavior document." The Examiner also appears to contend that a matched rule is the recited "personality document." Under this logic, both the behavior and personality documents have the same function -- to compare against incoming data to see if a match is detected. However, claim 1 recites that the "personality document" defines "a plurality of business operations and a behavior document associated with each business operation, each behavior document defining a plurality of actions for conducting the associated business operation." The personality document is used "for testing the tree-based representation of the incoming document . . . for recognizing the incoming document." (Emphasis added). The "behavior document" is then selected "based on the recognized incoming document." (Emphasis added). The "selected behavior document" is then used for "applying the plurality of actions defined in the selected behavior document to the incoming document and conducting the business operation associated with the selected behavior document." (Emphasis added). This is not taught nor suggested by Cascio. Accordingly, claim 1 is now in condition for allowance.

Independent claims 7, 18, 24, 35, and 41 include limitations that are similar to the limitations of claim 1 which make claim 1 allowable. Accordingly, claims 7, 18, 24, 35, and 41 are also in condition for allowance. Independent claims 15, 32, 50, and 51 have been canceled.

With respect to independent claims 7, 24, and 41, these claims further include the limitation of "translating the incoming document into a working document having a standard

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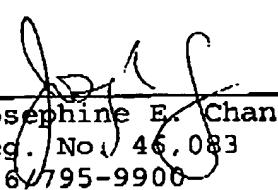**Reply to Office action of** June 17, 2005

document format based on the selected translation document" and "applying the plurality of actions in the selected behavior document to the working document and conducting the business operation associated with the selected behavior document," which is not taught nor suggested by Cascio. Any translation that occurs in Cascio is the final translation of the incoming document to an output document. There is no teaching or suggestion in Cascio of "applying the plurality of actions in the selected behavior document" to Cascio's output document and "conducting the business operation associated with the selected behavior document."

Claims 2-4, 8-9, 12-14, 19, 25-26, 29-31, 36-38, 42-43, 46-49, and 52-55 are also in condition for allowance because they depend on an allowable base claim, and for the additional limitations that they contain.

In view of the above amendments and remarks, reconsideration, reexamination, and an early indication of allowance of claims 1-4, 7-9, 12-14, 18-19, 24-26, 29-31, 35-38, 41-43, 46-49, and 52-55 are respectfully requested.

Respectfully submitted,

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